BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. 25.00Lakhs

Name of Work:-Providing asphalting to roads 707 CHS 3rd Main in ward no-03.

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1,Earth work excavation by manual means in ordinary soil involving an average horizontal throw up to 2 meters and an average lift uo to 1.5m,excavated surface levelled and sides neatly dresssed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications (Item no19.1,Page no141, PWD SR 2016-17)	Cum							
	Desilting of drains:-2nd main &3rd Main		4	90.00	0.50	0.45	81.00		
			4	80.00	0.40	0.35	44.80		
	3rd cross		2	60.00	0.45	0.45	24.30		
			2	80.00	0.45	0.35	25.20		
	Berm cutting and over burden earth cutting		4	90.00	0.90	0.20	64.80		
			4	80.00	1.00	0.15	48.00		
			2	60.00	0.80	0.15	14.40		
			2	80.00	0.85	0.20	27.20		
	Cross:-L/side		1	85.00	1.00	0.90	76.50		
							406.20	96.48	39191.00
	Basic Rate	82.00							
	Add 11% of Difference Rates in Up to Date SR 2017-2018	9.02							
		91.02							
	Area Weightage @ 6%	5.46							
	Total	**96.48**							
2	Removing B.S slab of drain and stacking (P.No 25 I.No 5.32)	sqm							
	2nd main &3rd Main		4	90.00	1.65		594.00		
			4	80.00	1.65		528.00		
	3rd cross		2	60.00	1.35		162.00		
	Covering slabs		2	80.00	0.90		144.00		
							1428.00		
		Deduct 35%of Missing slabs qty					499.80		
							928.20	72.95	67711.00
	Basic Rate	62.00							
	Add 11% of Difference Rates in Up to Date SR 2017-2018	6.82							
		68.82							
	Area Weightage @ 6%	4.13							
	Total	**72.95**							
3	Refixing stone slabs of drains and pointing in CM(1:3)(P.No 25 I.No 5.33)	Sqm							
			Vide Item No. 2				928.20	89.42	83001.00
	Basic Rate	76.00							

	Add 11% of Difference Rates in Up to Date SR 2017-2018	8.36								
		84.36								
	Area Weightage @ 6%	5.06								
	Total	**89.42**								
4	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete do 7.5 cms thick(P.No 25 I.No 5.31.1)	sqm								
		35% of Missing slabs qty						449.40	738.90	332064.00
	Basic Rate	628.00								
	Add 11% of Difference Rates in Up to Date SR 2017-2018	69.08								
		697.08								
	Area Weightage @ 6%	41.82								
	Total	**738.90**								
5	Providing and fixing Precast RCC Slabs as Per approved design, specification and Direction Engineer-in-Charge. (Approved Data Rate).	Sqm								
		35%of Missing slabs qty						25.00	2100.00	52500.00
	Basic Rate	2100.00								
6	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location within all lifts and lead upto 1000m complete as per specifications. MORTH Specification No.301	Cum								
	(Page No 143, I.No 19.14 oF KPWD S R 2016-17)									
	2nd main &3rd Main		4	90.00	0.90	0.15	48.60			
			4	80.00	1.00	0.15	48.00			
	3rd cross		2	60.00	0.80	0.15	14.40			
			2	80.00	0.80	0.15	19.20			
							130.20	54.12	7047.00	
	Basic Rate	46.00								
	Add 11% of Difference Rates in Up to Date SR 2017-2018	5.06								
		51.06								
	Area Weightage @ 6%	3.06								
	Total	**54.12**								

7	KSRRB M100-1 Loading and un loading of stone b[illegible]der/Stone aggregates/sand/kanker/Moorum.KSRRB M100-1:Placing tipper at loading point,loading with front end loader,dumping,turning for return trip,excluding time for haulage and return trip complete as per specifications(Item no17.1,Page no130,PWD SR 2016-17)	Cum							
			Vide Item No. (1+6)				536.40	110.13	59074.00
	Basic Rate	68.00							
	Haulage for 8KM lead SRp-140(2.5*1.28*8)	25.60							
	Total	93.60							
	Add 11% AD-HOC over SR 2016-2017 BasicRates	10.30							
	Total	103.90							
	Area Weightage @ 6%	6.23							
	Total	**110.13**							
8	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Chapter 5	Sqm							
	Page No 161, I.No 21.2 KPWD SR 2016-17								
	2nd main &3rd Main		2	90.00	6.00		1080.00		
			2	80.00	6.00		960.00		
	3rd cross		1	60.00	6.50		390.00		
			1	80.00	6.50		520.00		
							2950.00	3.53	10413.00
	Basic Rate	3.00							
	Add 11% of Difference Rates in Up to Date SR 2017-2018	0.33							
		3.33							
	Area Weightage @ 6%	0.20							
	Total	**3.53**							
9	KSRRBM400-17,Providing, laying, spreading andcompacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site,laying in uniform layers with paver in sub base/base course on well prepared surface and compacting with vibratory roller to achieve the desired dencity complete as per specifications.MORTH Specification No.406(Item no20.18,Page no157 ,PWD SR 2016-17)	Cum							
	2nd main &3rd Main		2	90.00	1.00	0.15	27.00		
			2	80.00	1.00	0.15	24.00		
	3rd cross		1	60.00	1.00	0.15	9.00		
			1	80.00	1.00	0.15	12.00		

							72.00	1962.57	141305.00
	Basic Rate	1668.00							
	Add 11% of Difference Rates in Up to Date SR 2017-2018	183.48							
		1851.48							
	Area Weightage @ 6%	111.09							
	Total	**1962.57**							
10	KSRRB M500-6,Providing and applying primer coat with S.S.bitumen emulsion on prepared surface of granular base such as WBM,WMM including cleaning of road surfase and spraying primer at the rate of .60kg/Sqm using mechanical means complete as per specifications. MORTH Specifications No502 (ITEMNO21.6,Page no157,PWD SR 2016-17)	Sqm							
	2nd main &3rd Main		2	90.00	1.00		180.00		
			2	80.00	1.00		160.00		
	3rd cross		1	60.00	1.00		60.00		
			1	80.00	1.00		80.00		
							480.00	30.59	14684.00
	Basic Rate	26.00							
	Add 11% of Difference Rates in Up to Date SR 2017-2018	2.86							
		28.86							
	Area Weightage @ 6%	1.73							
	Total	**30.59**							
16	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen VG -10 on the prepared black topped suraface at 2.5 kg per 10 sqm eating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH / Chapter 5 (P. 161 l.No.21.7)	Sqm							
	2nd main &3rd Main		2	90.00	7.00		1260.00		
			2	80.00	5.50		880.00		
	3rd cross		1	60.00	6.70		402.00		
			1	80.00	5.00		400.00		
							2942.00		
	Deduct						**480.00**		
							2462.00	**12.94**	**38077.00**
	Basic Rate	11.00							
	Add 11% AD-HOC over SR 2016-2017 BasicRates	1.21							
		12.21							
	Area Weightage @ 6%	0.73							
	Total	**12.94**							

11	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed VG 30 grade bituminous binder and transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications.specification clause No. 507using 40/60 TPH capacity HMP with Mechanical paver Gr-II (50mm-75mm with 4.5% VG-30 Bitumen) (ITEMNO21.6,Page no163,PWD SR 2016-17)	Cum							
	2nd main &3rd Main		2	90.00	6.00	0.050	54.00		
			2	80.00	6.00	0.050	48.00		
	3rd cross		1	60.00	6.50	0.050	19.50		
			1	80.00	6.50	0.050	26.00		
							147.50		
			50% of Quantity				73.75	7143.14	526806.00
	Basic Rate	6071.00							
	Add 11% of Difference Rates in Up to Date SR 2017-2018	667.81							
		6738.81							
	Area Weightage @ 6%	404.33							
	Total	**7143.14**							
12	KSRRB 500-7. Providing and applying tack coat on the prepared black topped surfaces at 5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Chapter 5	Sqm							
	2nd main &3rd Main		2	90.00	6.00		1080.00		
			2	80.00	6.00		960.00		
	3rd cross		1	60.00	6.50		390.00		
			1	80.00	6.50		520.00		
							2950.00	12.94	38181.00
	Basic Rate	11.00							
	Add 11% of Difference Rates in Up to Date SR 2017-2018	1.21							
		12.21							
	Area Weightage @ 6%	0.73							
	Total	**12.94**							

13	KSRRB M500-19: Providing and laying bituminous concrete with hot mix plant using crushed aggregates of specified grading, premixed bituminous binder and filler transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desire compaction as per MORTH specification clause No. 500.9 complete In all respects as per specifications. MORTH specification NO. 509, using 40/60 TPH capacity HMP with Mechanical paver Gr-II (30mm-45mm with 5.4% VG-30 Bitumen) No.165 Item No. 21.22.6.PWD SR 2016-17	Cum							
	2nd main &3rd Main		2	90.00	6.00	0.030	32.40		
			2	80.00	6.00	0.030	28.80		
	3rd cross		1	60.00	6.50	0.030	11.70		
			1	80.00	6.50	0.030	15.60		
							88.50	8316.21	735984.00
	Basic Rate	7068.00							
	Add 11% of Difference Rates in Up to Date SR 2017-2018	777.48							
		7845.48							
	Area Weightage @ 6%	470.73							
	Total	**8316.21**							
3	KSRRB M2100 PCC 1 KSRRB M2100-10. Plain cement concrete M10 with OPC cement @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @ 0.56cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days complete as per specifications MORTH Specification No. 2100 (P No. 218/27.18)	Cum							
			1	85.00	0.90	0.15	11.48		
							11.48	**6628.96**	**76067.00**
	Basic Rate	5634.00							
	Add 11% AD-HOC over SR 2016-2017 BasicRates	619.74							
		6253.74							
	Area Weightage @ 6%	375.22							
	Total	**6628.96**							

4	Providing laying palin / reinforced cement concrete for Side Drain using M20 normal mix concrete with OPC cement at 300kgs with 20 mm and down size granite metal coarse aggregates @0.69cum and fine aggregates @machine mixed, Well compacted for wall and bottom including centering shuttering Cost of material HOM of machinery curing etc excluding cost of steel as per MORTH Specification No. 1500,1700,2200 walls & bottomof thicknes 15(Page. 265 / Item.No. 37.59.2)	Cum							
	Drain Bottom:-L/side		1	85.00	0.90	0.12	9.18		
	Side walls		2	85.00	0.12	0.60	12.24		
							21.42	8163.25	174857.00
	Basic Rate	6938.00							
	Add 11% AD-HOC over SR 2016-2017 BasicRates	763.18							
		7701.18							
	Area Weightage @ 6%	462.07							
	Total	**8163.25**							
5	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per specifications.Specification noKBS 4.6.3,TMT bars Fe55 0(pwd sr2016-17,p.no17,s.no4.46)	Tonne,s							
	0.070 tonne,s / cum						1.50	66714.40	100032.00
	Basic Rate	56701.00							
	Add 11% AD-HOC over SR 2016-2017 BasicRates	6237.11							
		62938.11							
	Area Weightage @ 6%	3776.29							
	Total	**66714.40**							
14	Miscellaneous charges	L/S							3006.00
								Total RS	**2500000.00**

(Rupees Twenty Five lakh only)

Certificate

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2017-18
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward no: 03

Assistant Executive Engineer
Yelahanka New town Sub Division
Bangalore-64

Administrative Approval
Accorded For ...25.00 lakh Rs only
Head of A/C.....P.1771.
CER NO :.....267..... Dt:.08.02.18

Executive Engineer
Yelahanka Division

Technical Sanction
Accorded For 25.00 lakh Rs only
Head of A/C.....P.1771.....
CER NO :.....692A..... Dt:.08.02.18

TA CE (YNK)

TA CE (YNK)

Shiva Mandir Rd

Jasjid-E-Bilal

Yelahanka 5th Phase Park

BBMP PARK

Palace One

Srishti Institute of Art, Design and Technology

Aradhana Souharda Credit Co...

SLK Software

Shiva Mandir Rd

1st Main Rd

1st Main Rd

Pavani Residency

2nd Cross Rd

5th Cross Rd

Manasa Trinity Heart Hospital

Ganesh Temple,4th Phase

Government Public Library

Creative Aquarium

Estuate Software Pvt. Ltd

Hindu Temple
Shri Bailu Basavanna Temple - Yelahanka...

Proposed Local Spot

Institute Of Art and Technology

4th Phase

ICICI Bank

Central Bank Of India ATM

4th Phase Park

BRUHAT BANGALORE MAHANAGAR PALIKE
WARD: 3- ATTURU